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| 29371 | 7590 | 03/09/2006 | EBIRIM, EMEKA |

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| ART UNIT | PAPER NUMBER |
|---|---|
| 2166 | |

DATE MAILED: 03/09/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

| | Application No. | Applicant(s) |
|---|---|---|
| **Office Action Summary** | 10/605,433 | KELLEY ET AL. |
| | **Examiner** | **Art Unit** | |
| | Emeka Ebirim | 2166 | |

*-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --*

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

1)☒ Responsive to communication(s) filed on <u>30 September 2003</u>.

2a)☐ This action is **FINAL**.     2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

4)☒ Claim(s) *1-45* is/are pending in the application.

     4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-45* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

## Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

     Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

     a)☐ All   b)☐ Some * c)☐ None of:

        1.☐ Certified copies of the priority documents have been received.

        2.☐ Certified copies of the priority documents have been received in Application No. _____.

        3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

     * See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

1) ☒ Notice of References Cited (PTO-892)

2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>09/30/2003</u>.

4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ .

5) ☐ Notice of Informal Patent Application (PTO-152)

6) ☐ Other: _____ .

## DETAILED ACTION

### *Claim Status*

1.    The application has been examined and claims 1-45 are rejected as detailed

below and are pending in this office action.

### *Claim Rejections - 35 USC § 102*

2.    The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3.    Claims 1-10, 17,18,25-44 are rejected under 35 U.S.C. 102(e) as being

anticipated  by Pub No: 2003/0033288 to Shanahan et al (hereinafter Shanahan).

Claim 1.

Shanahan discloses:

A method for providing web-based electronic research and presentation functions

via a document creation application, comprising:

scanning an active document on a computer device operable for identifying relevant

keywords [retrieves information as the user works on the computer; identify entities

(keywords), See Shanahan paragraphs 0008,0009, 0131];

searching at least one database for reference materials relating to said relevant

keywords [associate each entity (keyword) with data from database, See Shanahan

paragraph 0132, 0135];

automatically displaying relevant reference materials on said computer device [are

displayed in a popup window; annotate document content depending on display screen,

See Shanahan paragraph 0285, 0189, 0120, 0339, Fig 63];

converting said reference materials if said reference materials are in a  different from a

format used in creating said active document [synthesizing (converting) into format

useful to the user; appropriate formatting; using the format of original document content,

See Shanahan paragraph 0139; 0503; 0525] and

displaying said reference materials on said computer device [results are display in a

window, paragraph 0219];

wherein said active document includes data currently being entered or edited by a user

on said computer device [document service request while user works on document, See

Shanahan paragraph 0138].


Claim 2.

Shanahan discloses the elements of claim 1 as above and further it discloses

prompting said user to select all or a portion of said reference materials [user may be

prompted to select from a displayed list of alternatives, or citations, See Shanahan

paragraph 0340, 0463 line 8-10];

if selected, formatting said all or a portion of said reference materials [synthesizing

(converting) into format useful to the user; appropriate formatting; using the format of

original document content, See Shanahan paragraph 0139; 0503; 0525]; and

entering said all or a portion of said reference materials into said active document [See

Shanahan paragraph 0340, 0342, 0344].


Claim 3.

Shanahan discloses the elements of claim 1 as above and further it discloses

scanning an active document on a computer device operable for identifying relevant

keywords is performed by an intelligent search agent, said method including [intelligent

agent, Shanahan paragraph 0007]:

scanning text of an active page for said active document for at least one of:

frequently appearing terms [terms appearing a number of times, See Shanahan

paragraph 0307, Fig 28];

frequently appearing phrases [See Shanahan paragraph 0307, Fig 28]; and

specific terms requested by said user [user decided which term or entities to enrich, See

Shanahan paragraph 0294, 0295, 0298];


Claim 4.

Shanahan discloses the elements of claim 1 as above and further it discloses

scanning an active document on a computer device operable for identifying relevant

keywords is performed by an intelligent search agent, said method including:

scanning entire text of said active document for at least one of [OCR, scan, See

Shanahan paragraph 0201, 0468, 0495],.:

frequently appearing terms [terms appearing a number of times, See Shanahan

paragraph 0307, Fig 28];

frequently appearing phrases [See Shanahan paragraph 0307, Fig 28]; and

specific terms requested by said user [user decided which term or entities to enrich, See

Shanahan paragraph 0294, 0295, 0298];

analyzing results in context with said entire text of said active document [information

can be filtered, See Shanahan paragraph 0319];

determining which of said results are relevant based on said analyzing results in context

and in accordance with rules prescribed by said intelligent agent [information can be

filtered based on a Zipf's law; ranking, See Shanahan paragraph 0319, 0320]; and

storing relevant results in a temporary storage location operable for performing said

searching [See Shanahan paragraph 0180],.

## Claim 5.

Shanahan discloses the elements of claim 1 as above and further it discloses

searching at least one database for said reference materials relating to said relevant

keywords includes searching at least one of [See Shanahan paragraph 0013]:

a local database associated with said computer device [local database, See Shanahan

paragraph 0450]; and

a remote database located in a network location external to said computer device

[remote location, See Shanahan paragraph 0297, Fig 3].


Claim 6.

Shanahan discloses the elements of claim 1 as above and further it discloses

displaying said reference materials on said computer device includes:

intermittently flashing text of said reference materials on a computer screen of said

computer device [Blinking, See Shanahan paragraph 0173].


Claim 7.

Shanahan discloses the elements of claim 1 as above and further it discloses

displaying said reference materials on said computer device includes at least one of:

displaying a Uniform Resource Locator associated with said reference materials on a

computer screen of said computer device [URL shown, See Shanahan paragraph 0179,

Fig 10]; and

displaying a Uniform Resource Locator with a preview pane associated with said

reference materials on a computer screen of said computer device [URL shown, See

Shanahan paragraph 0179, Fig 10].


Claim 8.

Shanahan discloses the elements of claim 1 as above and further it discloses

displaying said reference materials on said computer device includes:

displaying text of said reference materials on a computer screen of said computer

device in response to a user highlighting a term or section of text within said active

document [highlighting enrichment, See Shanahan paragraph 0318].

Claim 9.

Shanahan discloses the elements of claim 1 as above and further it discloses

displaying said reference materials on said computer device includes performing at

least one of:

displaying images of said reference materials on a computer screen of said computer

device in response to a user highlighting a term or section of text within said active

document [when a text(s) are selected (highlighted) window a appears, See Shanahan

paragraph 0579];

displaying images in a preview pane of said reference materials on a computer screen

of said computer device in response to a user highlighting a term or section of text

within said active document [when a text(s) are selected (highlighted) window a

appears, See Shanahan paragraph 0579, Fig 64,65].

Claim 10.

Shanahan discloses the elements of claim 1 as above and further it discloses

displaying text of said reference materials on a projector screen via a presentation

application executing on said computer device, said displaying text of said reference materials on a project screen performed in response to a user selecting said reference materials for display [display screen, Shanahan paragraph 0189];

wherein said projector screen is in communication with said computer device [display screen of a device, Shanahan paragraph 0189, 0205].

Claim 17.

Shanahan discloses the elements of claim 1 as above and further it discloses comprising integrating process software for providing said web-based electronic research and presentation functions via a document creation application, said integrating comprising [integration with application, Shanahan paragraph 0522]:

determining if said process software will execute on at least one server [Shanahan paragraph 0590, 0593];

identifying an address of said at least one server [address, Shanahan paragraph 0226];

checking said at least one server for operating systems, applications, and version numbers for validation with said process software, and identifying any missing software applications for said at least one server that are required for integration [Shanahan paragraph 0590];

updating said at least one server with respect to any operating system and application that is not validated for said process software, and providing any of said missing software applications for said at least one server required for said integration [Shanahan paragraph 0590, 0226];

identifying client addresses and checking client computers for operating systems,

applications, and version numbers for validation with said process software, and

identifying any software applications missing from said client computers that are

required for integration [Shanahan paragraph 0590, 0226];

updating said client computers with respect to any operating system and application that

is not validated for said process software, and providing any missing software

application for said client computers required for said integration Shanahan paragraph

0226]; and

installing said process software on said client computers and said at least one server

[Shanahan paragraph 0198].


Claim 18.

Shanahan discloses the elements of claim 1 as above and further it discloses

sharing of process software for providing said web-based electronic research and

presentation functions via a document creation application, said on demand sharing

comprising [Shanahan paragraph 0154]:

creating a transaction containing unique customer identification, requested service type,

and service parameters[unique user identification number Shanahan paragraph 171];

sending said transaction to at least one main server[transmit, server Shanahan

paragraph 0181];

querying said at least one main server about processing capacity associated with said

at least one main server to help ensure availability of adequate resources for processing

of said transaction [query, server Shanahan paragraph 0287]; and

allocating additional processing capacity when additional capacity appears needed to

process said transaction, said additional processing capacity being selected from the

group of additional capacities consisting of central processing unit capacity, processor

memory capacity, network bandwidth capacity, and storage capacity [Shanahan

paragraph 0588].


Claim 25.

Shanahan discloses:

A system for providing web-based electronic research and presentation functions

via a document creation application, comprising:

a computer device in communication with at least one server over a communications

network, said computer device executing [mobile device that communicates with the

network; client server, See Shanahan paragraph 0198]:

a web browser application [web browser, Shanahan paragraph 0217]; and

at least one document creation application [Shanahan paragraph 0462];

a data repository in communication with said at least one server, said data repository

storing reference materials [repository, Shanahan paragraph 0451];

a content generation system comprising [document content generated, Shanahan

paragraph 0199]:

a graphical user interface [Shanahan paragraph 0591];

an intelligent search agent [information retrieval and syntactic or pattern matching

techniques, Shanahan paragraph 0281]; and

a document conversion tool [Converting the document content to text data, Shanahan

paragraph 0245 and claim 19]; and

an active document displayed on said computer device, said active document created

by said at least one document creation application [document creation, Shanahan

paragraph 0462].


Claim 26.

Shanahan discloses the elements of claim 25 as disclose and furthermore it

disclose content generation system is executed by said computer device [document

content generated, device, Shanahan paragraph 0199].


Claim 27.

Shanahan discloses the elements of claim 25 as disclose and furthermore it

disclose content generation system is executed by said at least one server and made

accessible to said computer device over said communications network [document

content generated, device, server, Shanahan paragraph 0199].


Claim 28.

Shanahan discloses the elements of claim 25 as disclose and furthermore it

disclose:

a projection screen in communication with said computer device, said projection

screen displaying a presentation created via said at least one document creation

application [display screen, Shanahan paragraph 0189];

wherein hypertext indicia displayed on said computer device and said project screen are

selectable for including reference materials associated with said hypertext indicia into

said presentation [hypertext, Shanahan paragraph 0239].


Claim 29.

Shanahan discloses the elements of claim 25 as disclose and furthermore it

disclose intelligent search agent utilizes advanced pattern matching technology

operable for identifying relevant keywords and searching reference materials

[information retrieval and syntactic or pattern matching techniques, Shanahan

paragraph 0281].


Claim 30.

Shanahan discloses the elements of claim 25 as disclose and furthermore it

disclose graphical user interface displays search results relating to relevant keywords

scanned within said active document, said search results comprising at least one of

[graphical user interface, scan, document content (active document), Shanahan

paragraph 0591, 0185]:

text;

graphical data [graphics data, Shanahan paragraph 0126, 0522];

a Uniform Resource Locator associated with said search results [document references

(e.g. URL) Shanahan paragraph 0141];

a video [Shanahan paragraph 0122]; and

a source of said reference materials [document references, Shanahan paragraph 0141];

wherein said search results are retrieved from at least one of:

a local database associated with said computer device [local database, Shanahan

paragraph 0450]; and

a remote database located in a network location external to said computer device

[remote location, See Shanahan paragraph 0297, Fig 3].


## Claim 31.

Claim 31 is essentially the same as claim 1 except that it recites "storage

medium". It is rejected for the same reason (hereinabove)


## Claim 32.

Claim 32, which further dependence on Claim 31 is essentially the same as claim

11 except that it recites "storage medium". It is rejected for the same reason

(hereinabove)


## Claim 33.

Claim 33, which further dependence on Claim 32 is essentially the same as claim

12 except that it recites "storage medium". It is rejected for the same reason

(hereinabove)

## Claim 34.

Claim 34, which further dependence on Claim 32 is essentially the same as claim

13 except that it recites "storage medium". It is rejected for the same reason

(hereinabove)

## Claim 35.

Claim 35, which further dependence on Claim 32 is essentially the same as claim

14 except that it recites "storage medium". It is rejected for the same reason

(hereinabove)

## Claim 36.

Claim 36, which further dependence on Claim 32 is essentially the same as claim

15 except that it recites "storage medium". It is rejected for the same reason

(hereinabove)

## Claim 37.

Claim 37, which further dependence on Claim 32 is essentially the same as claim

16 except that it recites "storage medium". It is rejected for the same reason

(hereinabove)

## Claim 38.

Claim 38, which further dependence on Claim 32 is essentially the same as claim

17 except that it recites "storage medium". It is rejected for the same reason

(hereinabove)

## Claim 39.

Claim 39, which further dependence on Claim 31 is essentially the same as claim

18 except that it recites "storage medium". It is rejected for the same reason

(hereinabove)

## Claim 40.

Claim 40, which further dependence on Claim 39 is essentially the same as claim

19 except that it recites "storage medium". It is rejected for the same reason

(hereinabove)

## Claim 41.

Claim 41, which further dependence on Claim 40 is essentially the same as claim

20 except that it recites "storage medium". It is rejected for the same reason

(hereinabove)

Claim 42.

Claim 42, which further dependence on Claim 41 is essentially the same as claim

21 except that it recites "storage medium". It is rejected for the same reason

(hereinabove)

Claim 43.

Claim 43, which further dependence on Claim 42 is essentially the same as claim

22 except that it recites "storage medium". It is rejected for the same reason

(hereinabove)

Claim 44.

Claim 44, which further dependence on Claim 31 is essentially the same as claim 23

except that it recites "storage medium". It is rejected for the same reason (hereinabove)

### *Claim Rejections - 35 USC § 103*

4.      The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set
> forth in section 102 of this title, if the differences between the subject matter sought to be patented and
> the prior art are such that the subject matter as a whole would have been obvious at the time the
> invention was made to a person having ordinary skill in the art to which said subject matter pertains.
> Patentability shall not be negatived by the manner in which the invention was made.

5.      Claims 11-16 are rejected under 35 U.S.C. 103(a) as being unpatentable over

Pub No: 2003/0033288 to Shanahan et al (hereinafter Shanahan) in view of Pat No

6,192,381 to Stiegemeier et al (hereinafter Stiegemeier).


Claim 11.

        Shanahan discloses the elements of claim 1 as above and further it discloses

deploying process software for providing said web-based electronic research and

presentation functions via a document creation application, said deploying comprising:

installing said process software on at least one server [See Shanahan paragraph 0595,

0592];

identifying server addresses for users accessing said process software on said at least

one server [server, address, See Shanahan paragraph 0217];

sending said process software to said at least one server and copying said process

software to a file system of said at least one server [transmit (send), server, destination

file, See Shanahan paragraph 0185, 0152];

sending the process software to at least a first client computer [transit, client, See

Shanahan paragraph 0198]; and

executing said process software on said first client computer [See Shanahan paragraph

0198].

        Shanahan discloses the elements of Claim 11 as disclosed but it does not

explicitly disclose "proxy" Stiegemeier discloses the claimed "proxy" which exists

between the Application and various document managers and services [See

Stiegemeier Col 8 lines 13-28].

It would have been obvious to one of ordinary skill in the art to have combined

the cited references because proxy as disclosed by Stiegemeier would have enabled

Shanahan to display complex interrelated data in a manner that does not show its

complexity.

Further more "proxy" would have served Shanahan to correct, validate, or enter

additional information by retrieving it from another database on a network and thus

allow the user to save a "draft document" so that corrections and validation can be

made at a later date [Stiegemeier Col 2 lines 1-5, 16-25].


Claim 12.

The combination of Stiegemeier and Shanahan discloses the elements of claim

11 as above and further Stiegemeier discloses installing said process software further

comprises:

determining if programs will reside on said at least one server when said process

software is executed [compatibility, Stiegemeier Col 16 lines 23-26];

identifying said at least one server that will execute said process software [server,

Stiegemeier Col 16 lines 23-27]; and

transferring said process software to storage for said at least one server [transfer,

storage, server, Stiegemeier Col 16 lines 60-65] .

Claim 13.

The combination of Stiegemeier and Shanahan discloses the elements of claim

11 as above and further Stiegemeier discloses sending said process software to said

first client computer further includes having said at least one server automatically copy

said process software to said first client computer, and running an installation program

at said first client computer to install said process software on said first client computer

[automatically, server, generate, Stiegemeier Col 17 lines 3-7] .


Claim 14.

The combination of Stiegemeier and Shanahan discloses the elements of claim

11 as above and further Shanahan discloses sending said process software to said first

client computer further comprises identifying a user and an address of said first client

computer[user address, Shanahan paragraph 0226].


Claim 15.

The combination of Stiegemeier and Shanahan discloses the elements of claim

11 as above and further Shanahan discloses sending said process software to said first

client computer includes sending said process software to at least one directory on said

first client computer [directory, Shanahan paragraph 0225,0422].


Claim 16.

The combination of Stiegemeier and Shanahan discloses the elements of claim 11 as

above and further Shanahan discloses sending said process software to said first client

computer includes sending said process software to said first client computer via e-mail

[via e-mail, Shanahan paragraph 0455].

6.      Claims 19-22 are rejected under 35 U.S.C. 103(a) as being unpatentable over

Pub No: 2003/0033288 to Shanahan et al (hereinafter Shanahan) and further in view of

Pub No 2003/0033253 to Rhodes (hereinafter Rhodes).

Claim 19.

Shanahan discloses the elements of claim 18 as above but it dose not explicitly

indicate "usage measurements".

Rhodes discloses the claim "usage measurements" [tracking total usage, See

Rhodes paragraph 0028 Fig 3, 4].

It would have been obvious to one of ordinary skill in the art to have combined

the cited references because usage measurements as disclosed by Rhodes would have

served Shanahan to control potential network congestion due to overload of service

provider's network by the heavy users [Rhodes paragraph 0007].

Furthermore usage measurements as disclosed by Rhodes would enable

Shanahan to model a usage analysis system and method for the subscriber by defining

a threshold value. [Rhodes paragraph 0016].


Claim 20.

The combination of Shanahan and Rhodes disclose claim 19 and furthermore

Rhodes discloses:

summing said usage measurements [sum of usage, See Rhodes paragraph 0070 Fig

3, 4];

acquiring at least one multiplicative value associated with said usage measurements

and with unit costs [unit of charge per megabyte, multiply, See Rhodes paragraph ,

0048, 0065 Fig 3, 4]; and

recording any such acquired multiplicative value as an on demand charge to a

requesting customer [charge, subscriber, Rhodes paragraph 0042].


Claim 21.

The combination of Shanahan and Rhodes disclose claim 20 and furthermore

Rhodes discloses:

and sending said on demand charge via e-mail to said requesting customer's e-mail

address [electronic mail, Rhodes paragraph 0003].


Claim 22.

The method of claim 20, further comprising charging said on demand charge to

said requesting customer's account if an account exists and if said requesting customer

has selected a charge account payment method [subscriber, account, Rhodes

paragraph 0069].


7.      Claims 23,24,45 are rejected under 35 U.S.C. 103(a) as being unpatentable over

Pub No: 2003/0033288 to Shanahan et al (hereinafter Shanahan) and further in view of

Pub No 2002/0065849 to Ferguson et al (hereinafter Ferguson).


Claim 23.

        Shanahan discloses the elements of claim 1 as disclosed but it does not explicitly

indicate "virtual private network". Ferguson discloses the claim invention [Ferguson

paragraph 0043].

Ferguson It further discloses:

checking for remote access to said virtual private network when it is required [access

remote database over the internet, Ferguson paragraph 0013];

if said remote access does not exist, identifying a third party provider to provide secure,

encrypted connections between a private network and remote users [services by third

party; encryption, network, Ferguson paragraph 0102, 0125];

identifying said remote users [the client may be required to authenticate its identity

Ferguson paragraph  157]; and

setting up a network access server operable for downloading and installing client

software on desktop computers for remote access of said virtual private network;

accessing said process software [install, access ;virtual private network, Ferguson

paragraph 0093, 0043];

transporting said process software to at least one remote user's desktop computer

[transport, Ferguson paragraph 0087]; and

executing said process software on said at least one remote user's desktop computer

[supporting runtime code, desktop, network, Ferguson paragraph 0068].

It would have been obvious to one of ordinary skill in the art to have combined

the cited references because "virtual private network" as disclosed by Ferguson would

have enabled Shanahan to automatically update data brought into local view over the

network as the remote content changes, which otherwise would have remained static.

[Ferguson paragraph 0007].

Furthermore Ferguson's disclosure would enable more robust development platform

allowing a developer or end user to quickly build and deploy applications that expose

network network functionality integrated with productivity application functionality

[Ferguson paragraph 0010].


`Claim 24.

The combination of Shanahan and Ferguson discloses the elements of claim 23

as disclosed and furthermore Ferguson discloses:

determining if said virtual private network has a site-to-site configuration for providing

site-to-site access, and if said virtual private network is not so available, installing

equipment required to establish a site-to-site configuration for said virtual private

network [VPN, remote, site, Ferguson paragraph 0223, 0043];

installing large scale encryption into said site-to-site virtual private network; and

accessing said process software through said site-to-site configuration with large scale

encryption [encrypt, install, Ferguson paragraph 0125, 0045].


Claim 45.

Ferguson discloses:

determining if said virtual private network has a site-to-site configuration for providing

site-to-site access, and if said virtual private network is not so available, installing

equipment required to establish a site-to-site configuration for said virtual private

network [VPN, remote, site, Ferguson paragraph 0223, 0043];

installing large scale encryption into said site-to-site virtual private network; and

accessing said process software through said site-to-site configuration with large-scale

encryption [encrypt, install, Ferguson paragraph 0125, 0045];

wherein said accessing said process software includes at least one of:

dialing into said network access server; and

attaching directly via a modem into said network access server, said modem being

selected from the group of modems consisting of telephone dial-up modems, cable

modems, DSL modems and wireless modems [DSL, Cable modem, 0155 Ferguson

paragraph 0155].

8.      Any inquiry concerning this communication or earlier communications from the examiner should be directed to Emeka Ebirim whose telephone number is 571-272-3994. The examiner can normally be reached on 8:30pm - 5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hosain Alam can be reached on 571-272-3978. The fax phone number for the organization where this application or proceeding is assigned is 571-272-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

**KHANH B. PHAM**
*PRIMARY EXAMINER*

Name:   Emeka Ebirim

Art Unit:  2166